

SIT Connect

The Smart Campus Super-App

A Data-Driven Solution for the 'Hack Your Campus'
Hackathon

The Problem

The campus experience is fragmented. Students waste time navigating scattered information—timetables, campus maps, ERP portals, and canteen crowds are all disconnected.

The Solution

A single, unified platform. SIT Connect centralizes all essential campus services into one intelligent, personalized, and data-driven application.

Core Features (The Idea)



Personalized Dashboard

Greets students and shows live, personal data pulled from our database, including their USN, CGPA, and proctor information.



Live Food Court Traffic

A real-time simulation, based on class timetables, predicts and displays live crowd levels at all campus canteens and food courts.



AI-Powered Campus Bot

A smart, personal chatbot that can answer questions about campus locations, app features, and even a student's own CGPA.

Design & User Experience

We used a **mobile-first** philosophy and Tailwind CSS to create a clean, modern, and intuitive interface.

The app is fully responsive, providing a seamless and high-quality user experience on any device, from a phone to a desktop. The design is not just a mockup—it's the live app.

Dashboard

SIT Study AI

Food Courts

Campus Map

Siddaganga Bot

Good Afternoon, Student!

USN

1SI24CS003

Current CGPA

8.0

Date of Birth

2006-04-26

My Info

CSE

Semester 3

Proctor: DR. N.R. SUNITHA

Academic Performance (CGPA Trend)



SIT Events

OCT 13 I Test (III, V, VII Sem)
Starts Oct 13th, Ends Oct 15th

OCT 31 Parents Meeting
Check Dept. for schedule

NOV 21 SPANDANA
Kannada Cultural Programme

Project Execution

How We Built It: The Tech Stack

The Tech Stack



Frontend

A single, dynamic `index.html` file. Styled with Tailwind CSS for rapid, component-based, and responsive design.



Backend & DB

Firebase serves as our complete, serverless backend. We use Firestore as our real-time NoSQL database.



Data Model

Firestore manages all data, from secure user profiles (CGPA, USN) to live-simulated cafeteria traffic and admin-controlled content.

Evaluation: The "Live Project"

100%

Live on Firebase

This isn't just a prototype.

It's a live, multi-user application. You can register an account, log in, and see the real-time data simulations right now. It is fully deployed and hosted on Firebase.

Evaluation: Execution

- ✓ **Full Authentication:** Complete user login, registration, and secure profile creation.
- ✓ **Live Data Simulation:** Real-time simulation of canteen traffic, visible to all users simultaneously.
- ✓ **Secure Admin Panel:** A restricted admin role (`admin@sit.ac.in`) with full CRUD (Create, Read, Update, Delete) capabilities for all user profiles.
- ✓ **Active GitHub Commits:** All development was tracked on GitHub, with dozens of commits showing our iterative process.

Live Demo

Let's see it in action.

Future Vision

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**The goal isn't just to *show*
information, but to *automate*
and *personalize* the campus
experience, giving students their
most valuable resource back:
Time.**

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Thank You

By

Abdullah Saad Sharief 1SI24CS003

Harsh Kumar Singh 1SI24CS064